

Datasheet for 812-1302**Fab Rat IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Goat Fab Anti-Rat IgG (H&L) Antibody Peroxidase Conjugated - 812-1302
Item No.:	812-1302
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Rat
Host Species:	Goat

Product Details

Background:	Fab Anti-Rat IgG HRP conjugated secondary antibody generated in goat detects specifically rat IgG. This secondary peroxidase conjugated antibody anti-Rat is ideal for investigators who routinely perform titration assays, western blot, immunoprecipitation and more generally immunoassays.
Synonyms:	Goat Fab Anti-Rat IgG Antibody Peroxidase Conjugation, Goat Fab Anti-Rat IgG HRP Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG Fab

Target Details

Reactivity:	Rat
Immunogen Type:	Native Protein
Immunogen:	Anti-Rat IgG (H&L) was produced by repeated immunization with rat IgG whole molecule in goat.

Purity/Specificity: Anti-Rat IgG (H&L) peroxidase conjugated antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, papain digestion and chromatographic separation. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase and anti-Goat Serum. No reaction was observed against anti-Papain or anti-Goat IgG F(c).

Application Details

Tested Applications:	ELISA
Suggested Applications:	WB (Based on references)
Application Note:	Anti-Rat IgG HRP antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:4,000

Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
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Storage Condition: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

References

- Fewou SN et al. Transgenic overexpression of polysialyltransferase ST8SialIV under the control of a neuron-specific promoter does not affect brain development but impairs exploratory behavior. *Glycobiology*. (2019)

Disclaimer

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